

Amendments to the Claims:

1. (Currently Amended) A packet switched network architecture comprising a 2G radio access network, a 2G core network, and a 3G core network, and a location area connected by a the 2G radio access network to a the 2G core network and the a 3G core network;

in which the 2G radio access network is operative to switches packet transmissions from each terminal in the location area to one of the core networks dependent on the terminal's capabilities, such that the 2G radio access network connects to the 2G core network terminals that are of a type not capable of connection to a 3G radio access network, and connects to the 3G core network terminals that are of a type capable of connection to a 3G radio access network.

2. (Canceled)

3. (Previously Presented) The packet switched network architecture of claim 1 in which the radio access network switches packet transmissions from each terminal to one of the core networks in dependence on the identity of the cell in which the terminal is connected.

4. (Currently Amended) A method of switching packet transmissions in a packet switched network from each terminal in a location area connected by a 2G radio access network to a 2G core network and a 3G core network,

in which the method comprising the radio access network switching selecting for packet transmissions from each terminal to one of the core networks to switch to dependent on the terminal's capabilities, such that the 2G radio access network connects to the 2G core network terminals that are of a type not capable of connection to a 3G radio access network, and connects to the 3G core network terminals that are of a type capable of connection to a 3G radio access network;

the radio access network switching said packet transmissions for each terminal to the corresponding selected core network.